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TITLE: CLINICAL APPLICATION OF CRUDE DRUG EXTRACT USING TYROSINASE ACTIVITY AS INDEX

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## INVENTOR-INFORMATION:

NAME

COUNTRY

TAKAHASHI, HIDEHIKO

IIKURA, YUKO

NAKATANI, MITSUKO

## ASSIGNEE-INFORMATION:

NAME

COUNTRY

KK YAKURIGAKU CHUO KENKYUSHO

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## ABSTRACT:

PROBLEM TO BE SOLVED: To obtain a crude drug extract, having stronger activating actions on tyrosinases and useful as an antileukopathic or an antipoliotic therapeutic agent by carrying out the extraction from specific 56 kinds of crude drugs.

SOLUTION: This crude drug extract comprises extracts of crude drugs composed of leaf, stem, seed, fruit, flower, bulb, herb, root, rhizome or the like of Acanthopanax Cortex, Eucommiae Cortex, Lycii Fructus, Lycii Folium, steamed and sun-dried Rehmanniae Radix, Mume Fructus, Ecliptae Herba, Prunellae Spica, Mori Fructs, Inulae Flos, Cimicifugae Rhizoma, Pyrrosia lingua (Thunb.) Farwell, Forsythiae Fructus, Polygoni avicularis Herba, Foeniculi Fructs, Raphani Semen, Raphanus sativus L., Helianthus annuus L., Xanthii Fructus, Valeriana officinalis L., Mentha haplocalyx Briq., Rosmarinus officinalis L., Solidago virga-aurea L. var. leiocarpa (Benth.) A., Artemisia capillaris Thunb., Foeniculum vulgate Mill., Cucumis sativus L., Phlomis tuberosa L., Solanum melongena L., Hypericum perforatum L., Fagoprum esculentum Moench., Andrographis paniculata, Stachys japonica Miq., Helianthus annuus L., Arctium lappa L., Daucus carota L. var. sativa DC., Crataegi Fructus, Crataegus pinnatifida Bunge, Polypodium niponicum Mett., Lithospermum zollingeri A. DC., Thymus vulgaris L., Elaeagnus angustifolia, Dononaea viscosa L., Melilotus suaveolens Ledeb., Xanthium sibiricum Patr. ex Widd., Convolvulus arvensis L., Citrus limonia Osbeck, Caryophylli Flos, Melilotus suaveolens, petasites japonicus Fr. Schmidt, Pheonix dactylifera, of Eucommia ulmoides Oliver, Scabiosa comosa Fisch., Lamium barbatum Sieb. et Zucc., Cimicifuga

simplex Wormsk., Allium cepa L. and Polygonum amphibium L. Extracts obtained with a 50% ethanol are preferred due to excellence thereof in activating activities for tyrosinases in the case of all the crude drugs.

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